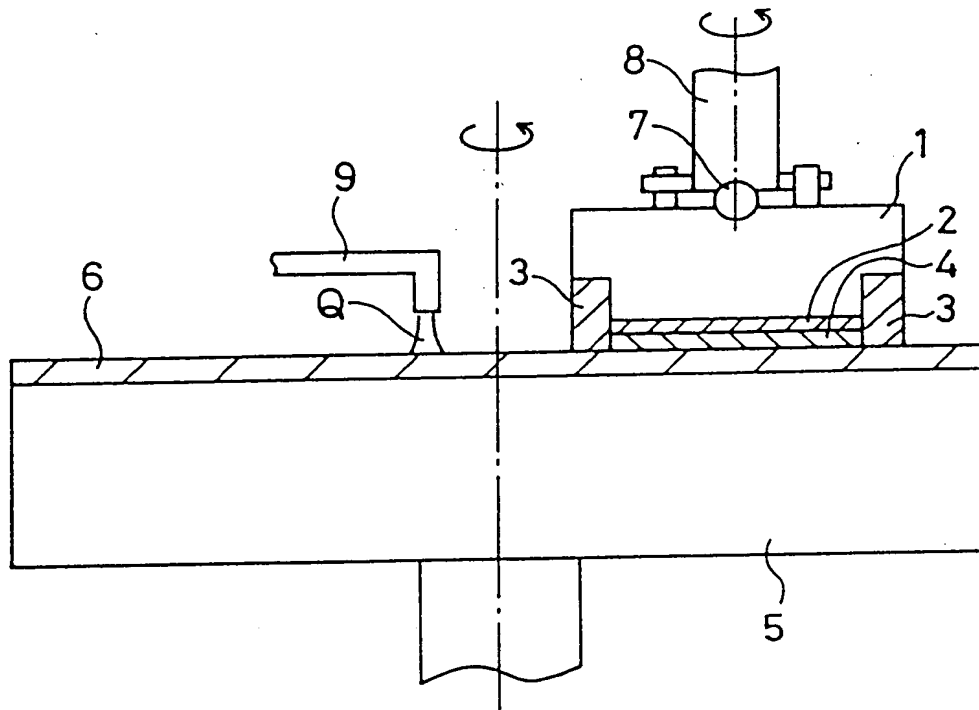


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FIG. 1



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FIG. 2

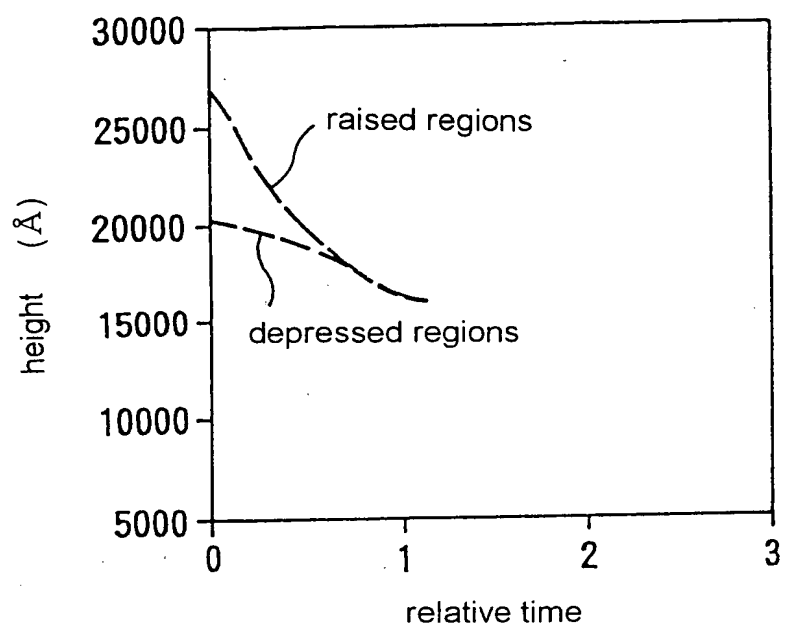
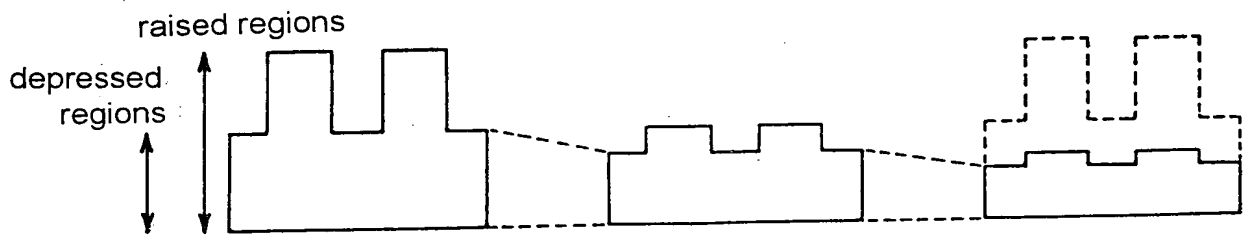


FIG. 3A

FIG. 3B

FIG. 3C



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FIG. 4A

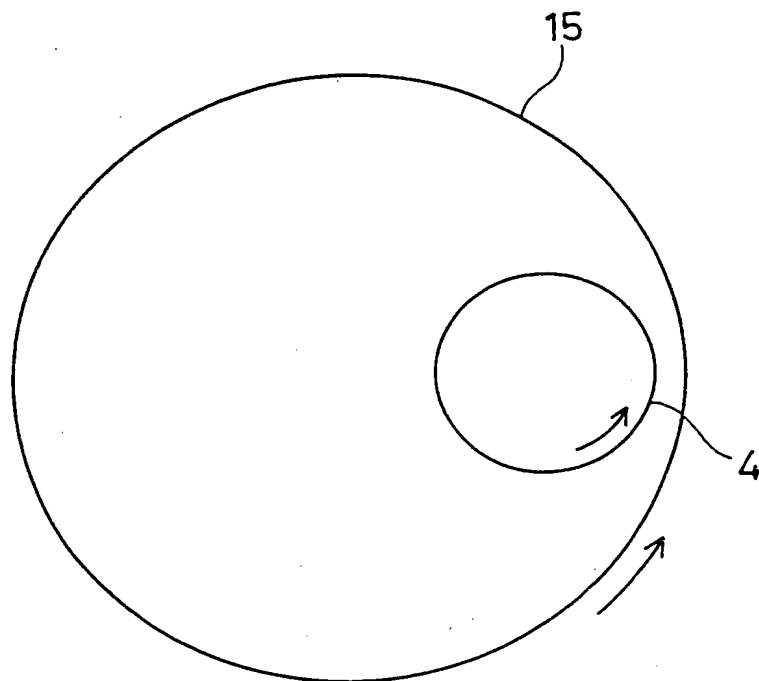
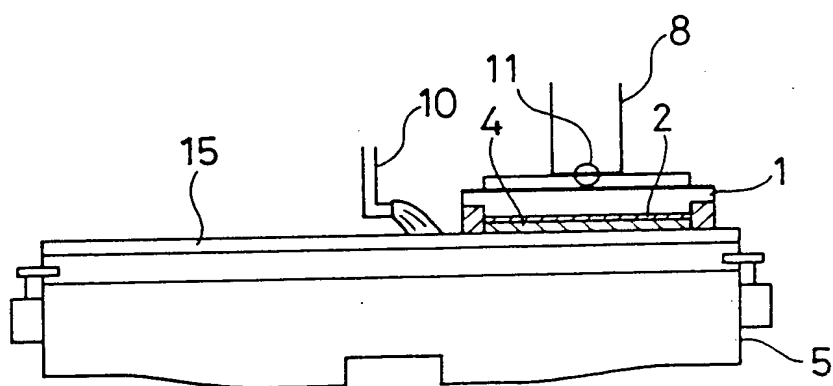
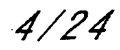


FIG. 4B



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FIG. 6A

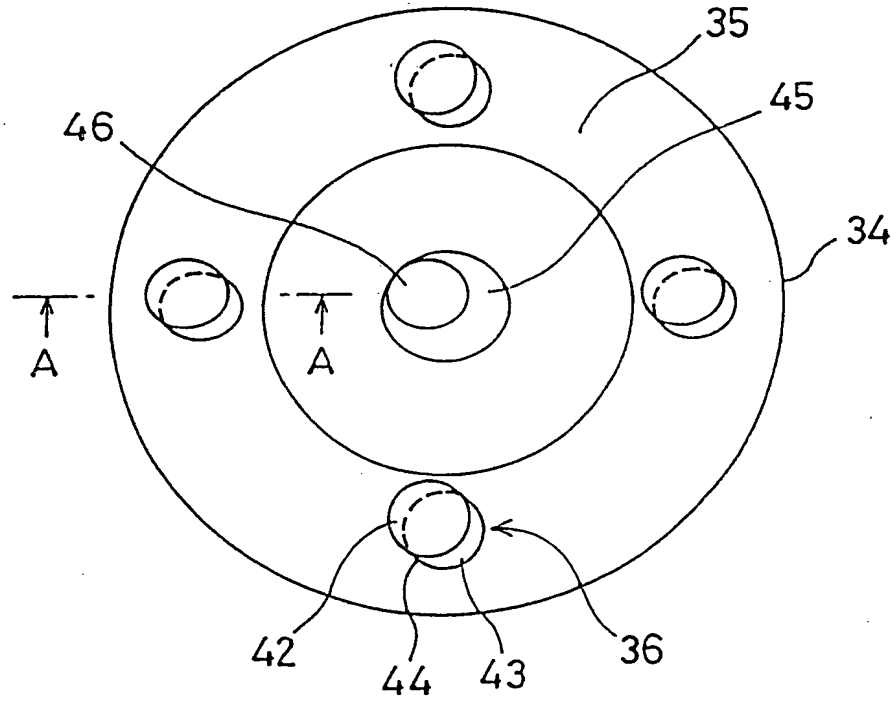


FIG. 6B

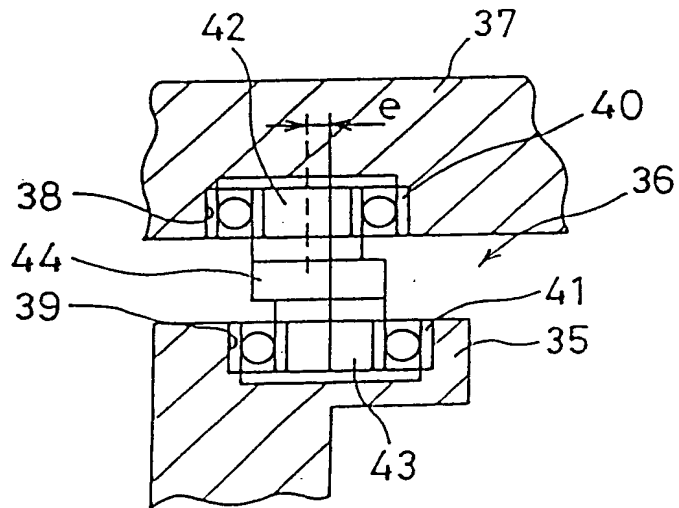


FIG. 7A

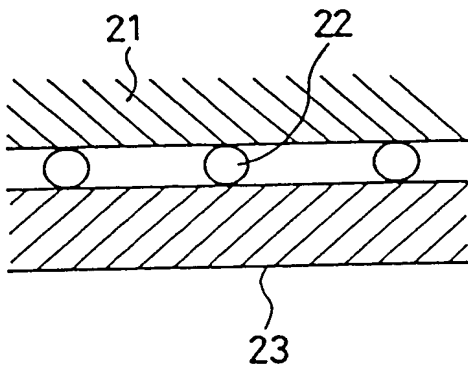


FIG. 7B

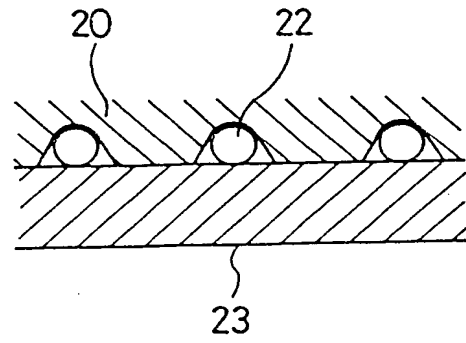


FIG. 8A

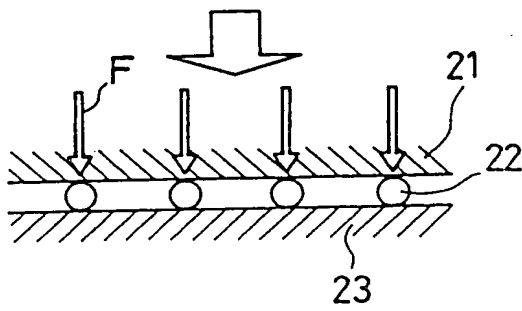
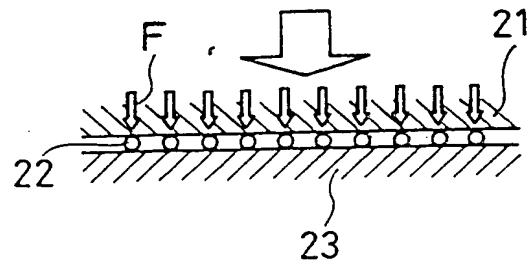
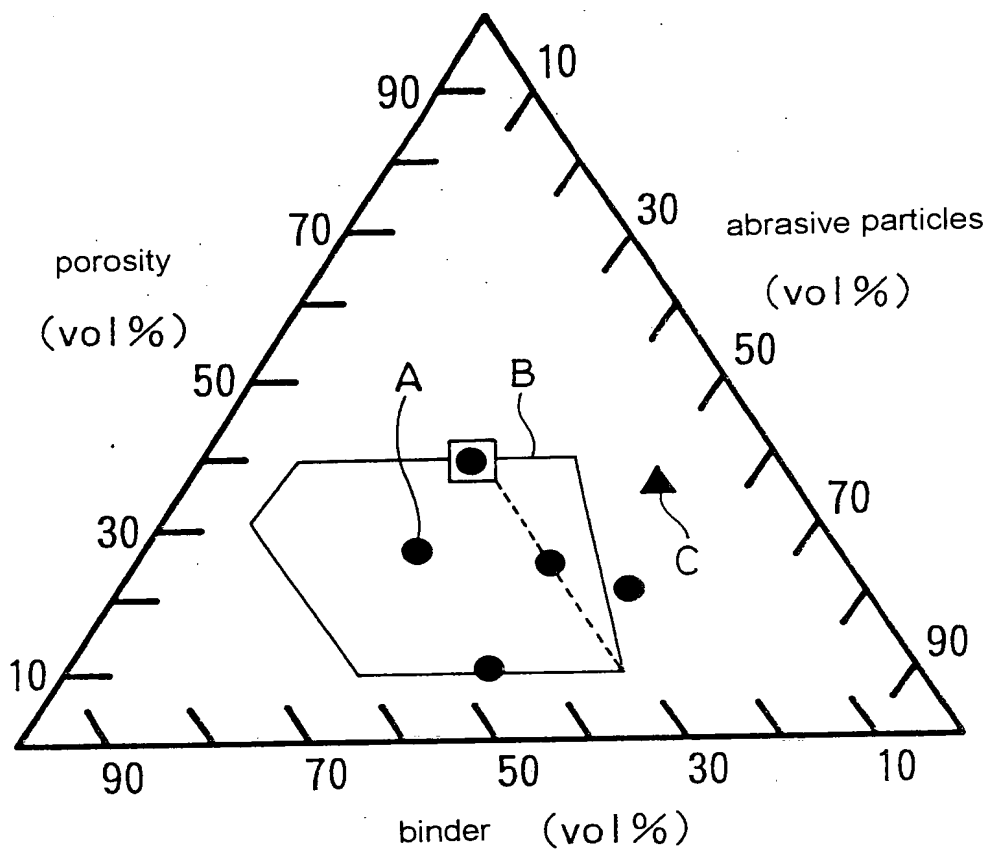


FIG. 8B



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FIG. 9



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FIG. 10

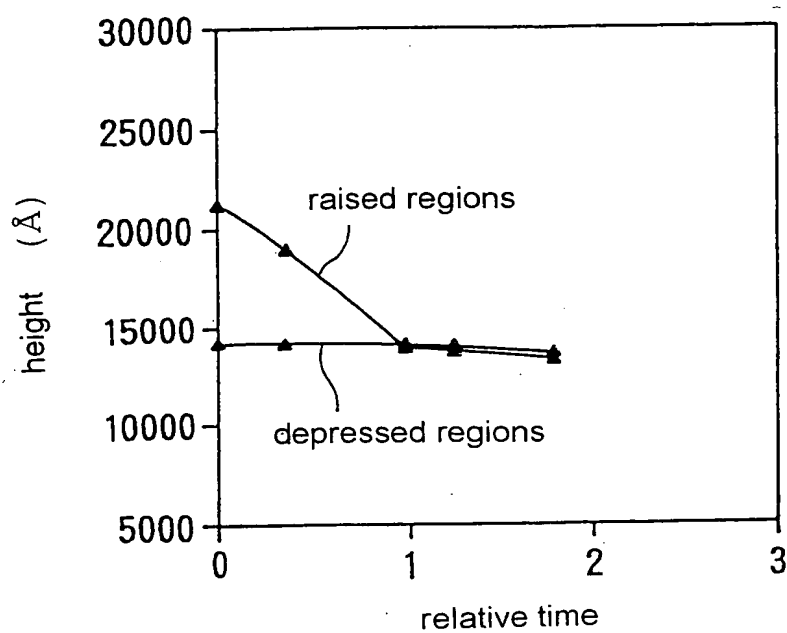
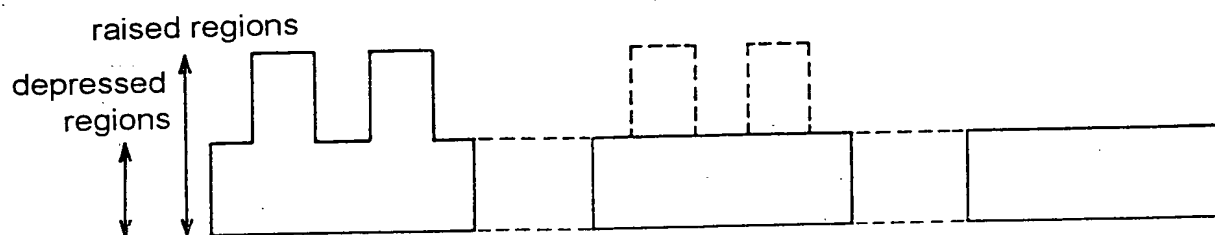


FIG. 11A FIG. 11B FIG. 11C



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FIG. 12

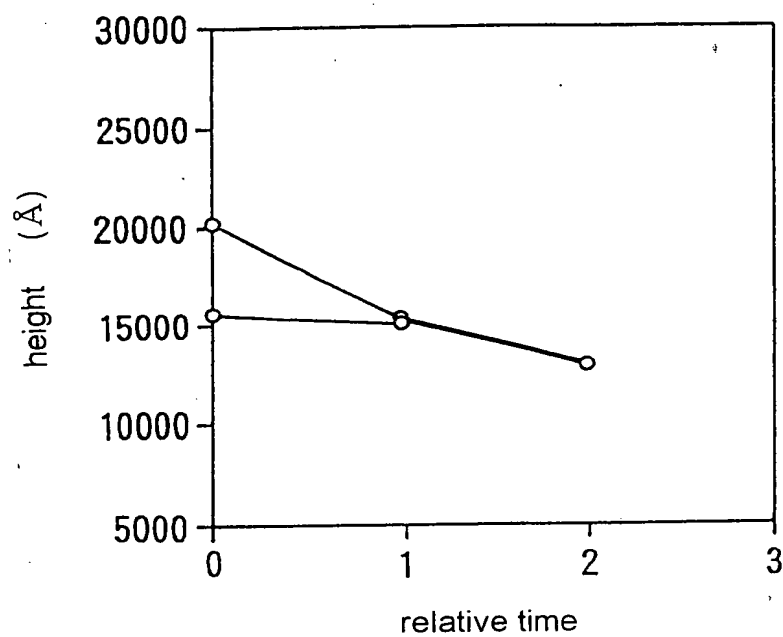
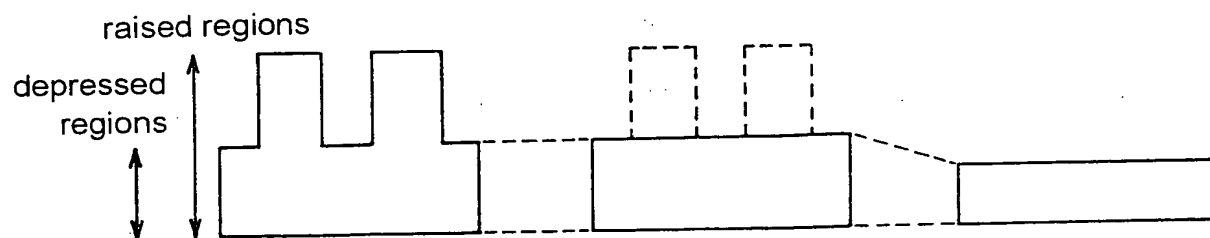
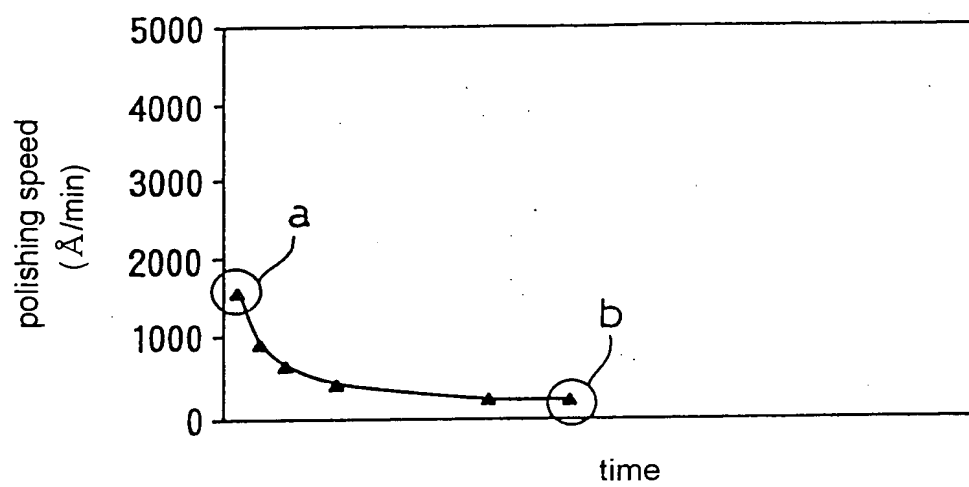


FIG. 13A FIG. 13B FIG. 13C



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FIG. 14



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FIG. 15A

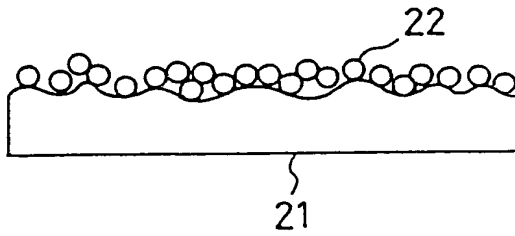


FIG. 15B

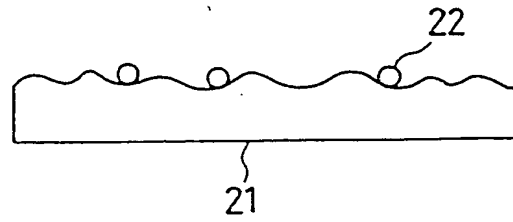
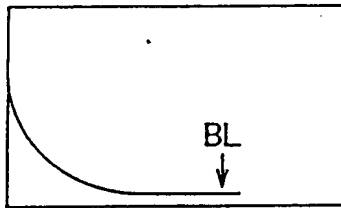


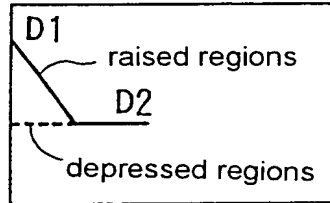
FIG. 16A

transitions
in polishing speed



polishing time

transitions
in film thickness



polishing time

comparison of
polishing speed

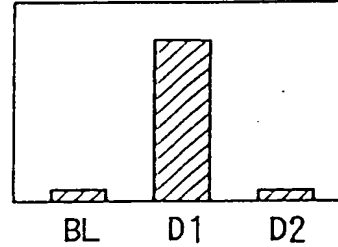
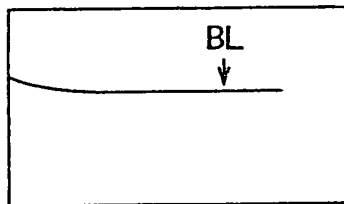
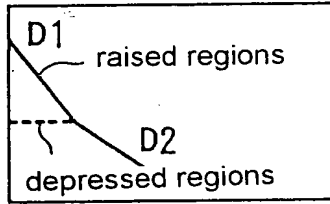


FIG. 16B



polishing time



polishing time

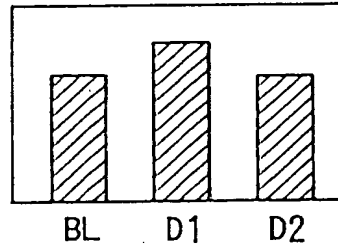
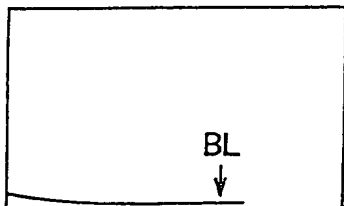
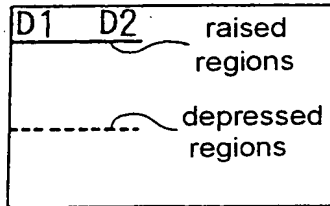


FIG. 16C



polishing time



polishing time

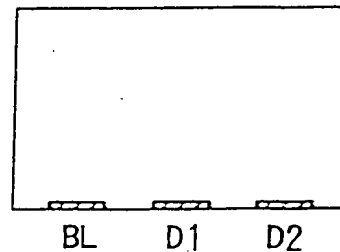


FIG. 16A

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FIG. 17A

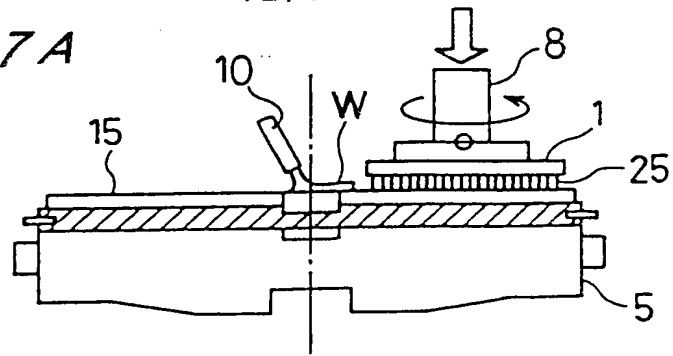


FIG. 17B

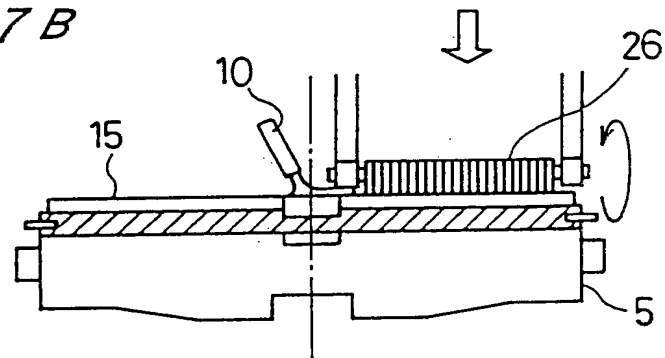


FIG. 17C

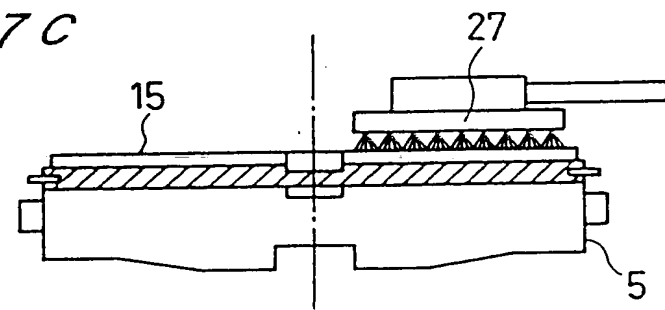


FIG. 17D

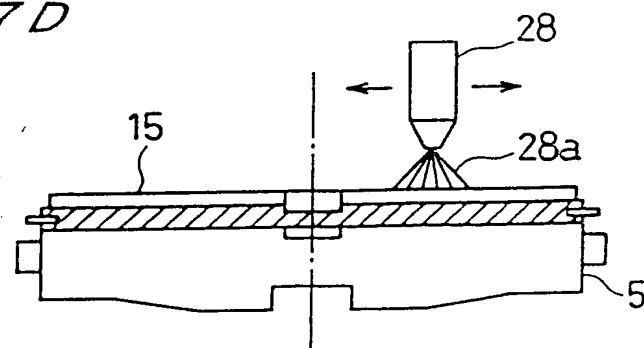


FIG. 17A

FIG. 18A

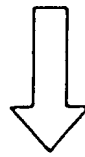
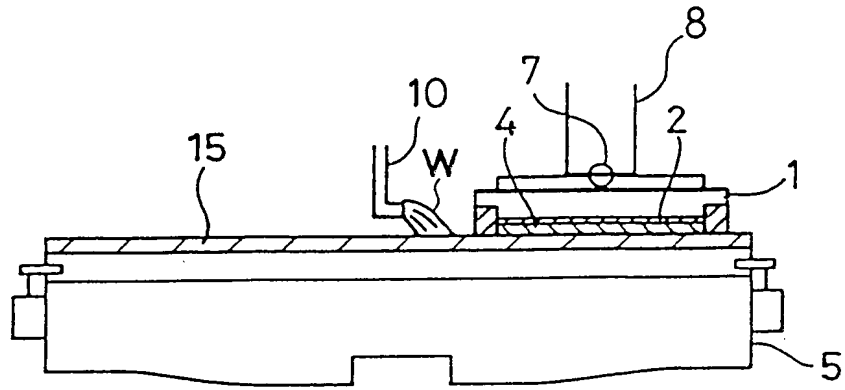
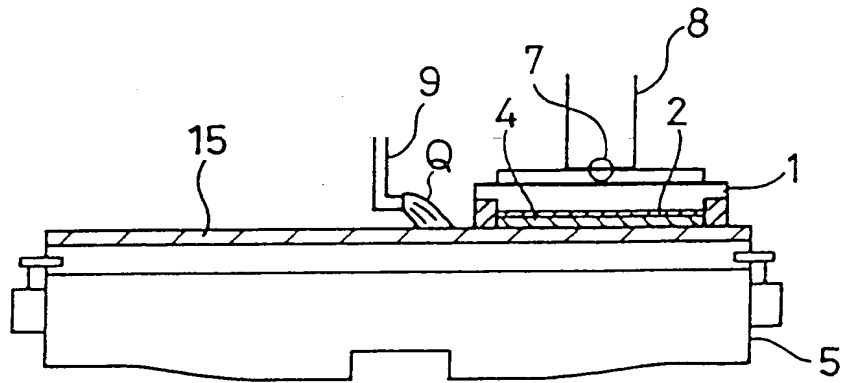


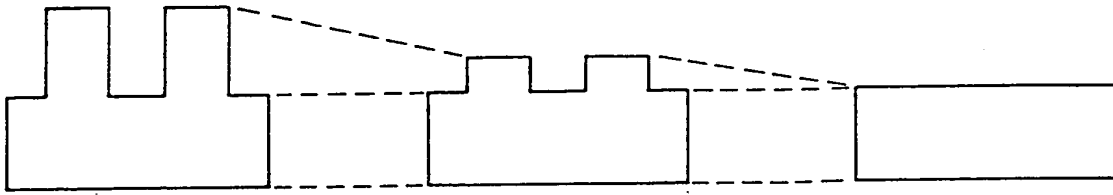
FIG. 18B



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FIG. 19

the first stage (planarization)



the second stage
(surface material removal)

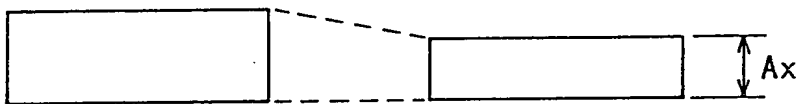


FIG. 20A

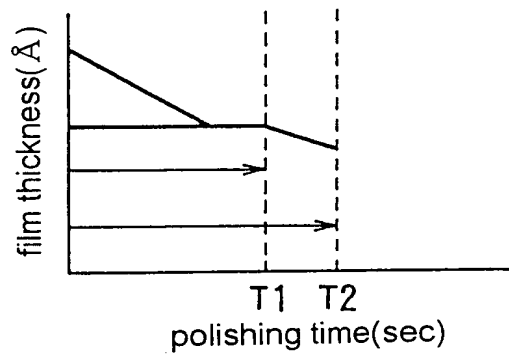
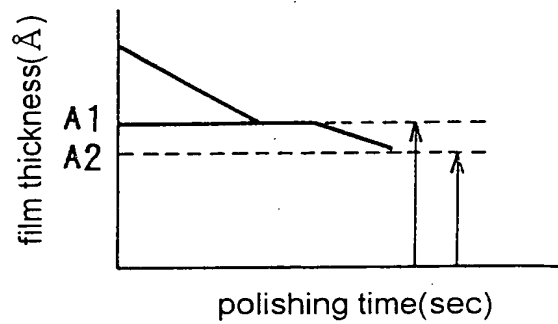
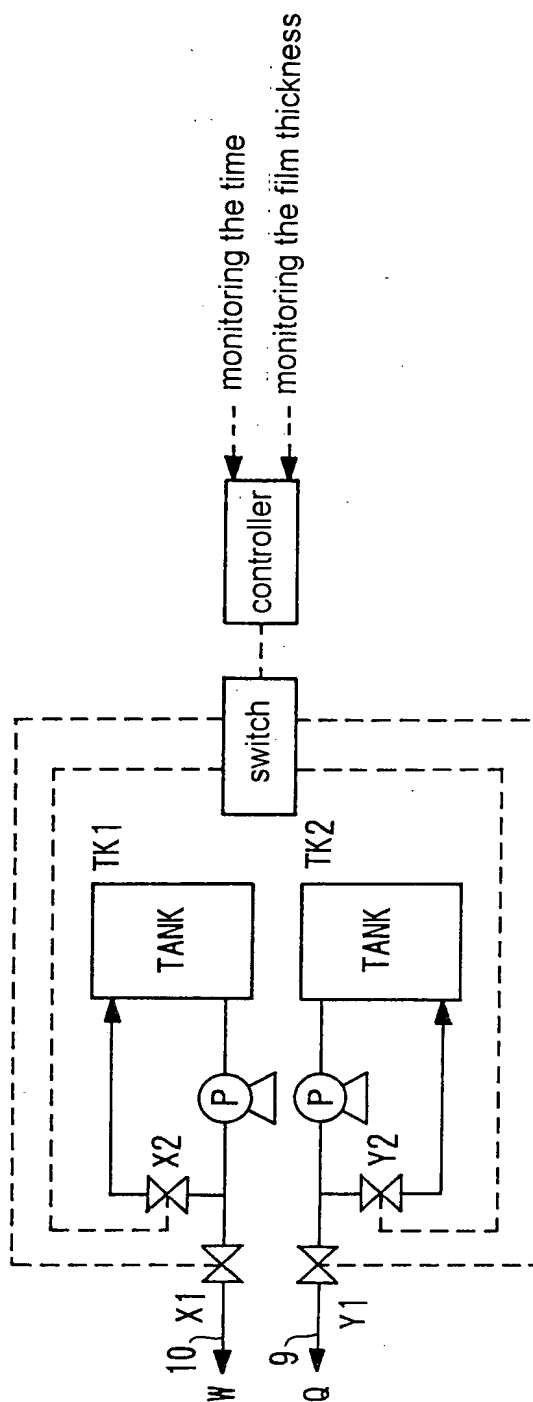


FIG. 20B



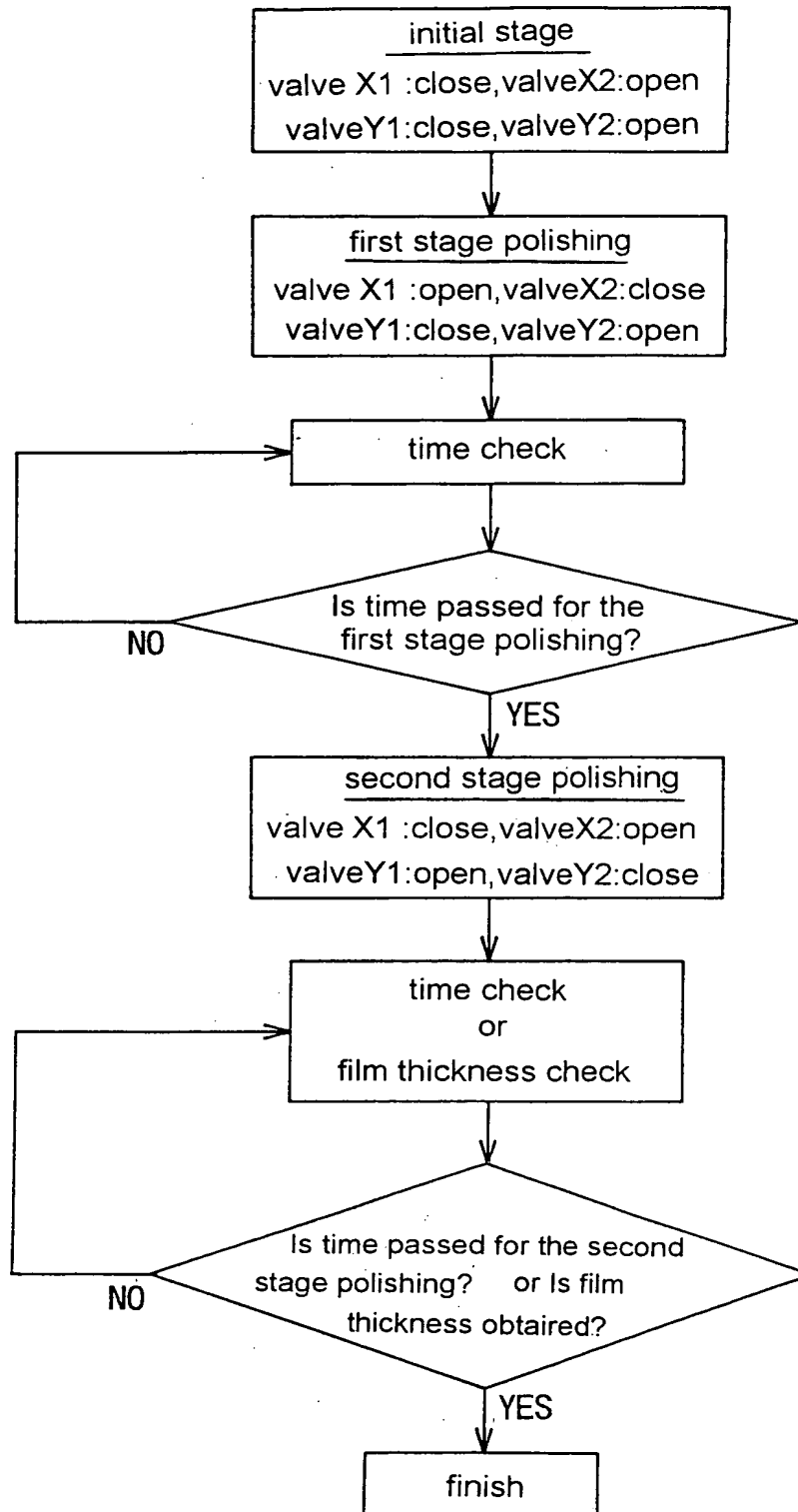
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FIG. 21



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FIG. 22



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FIG. 23A

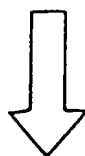
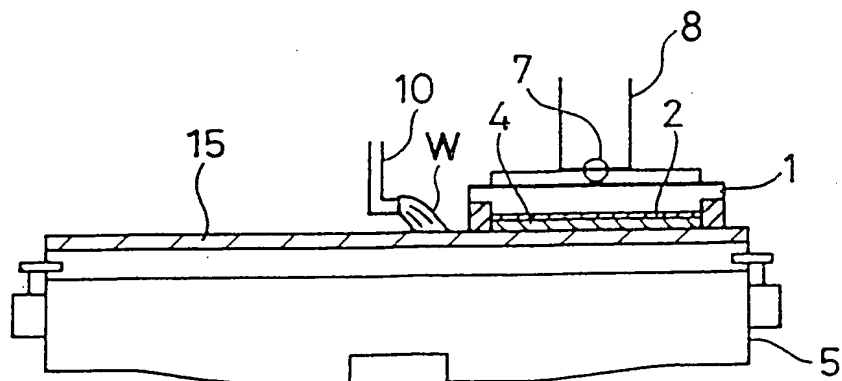


FIG. 23B

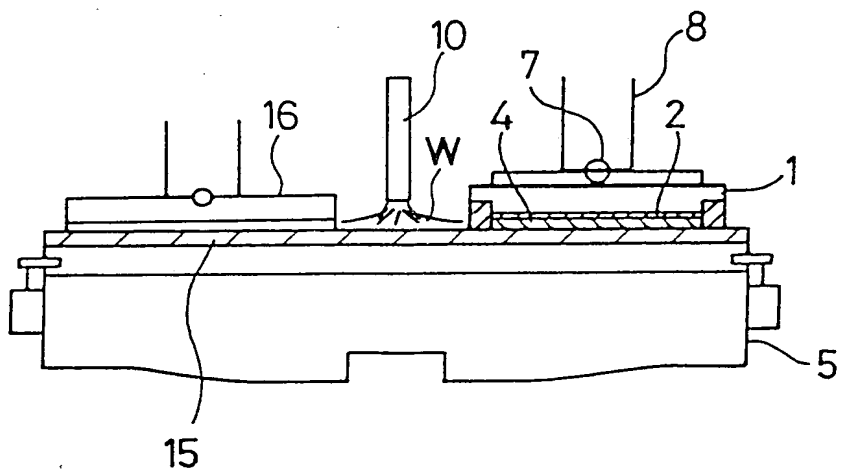
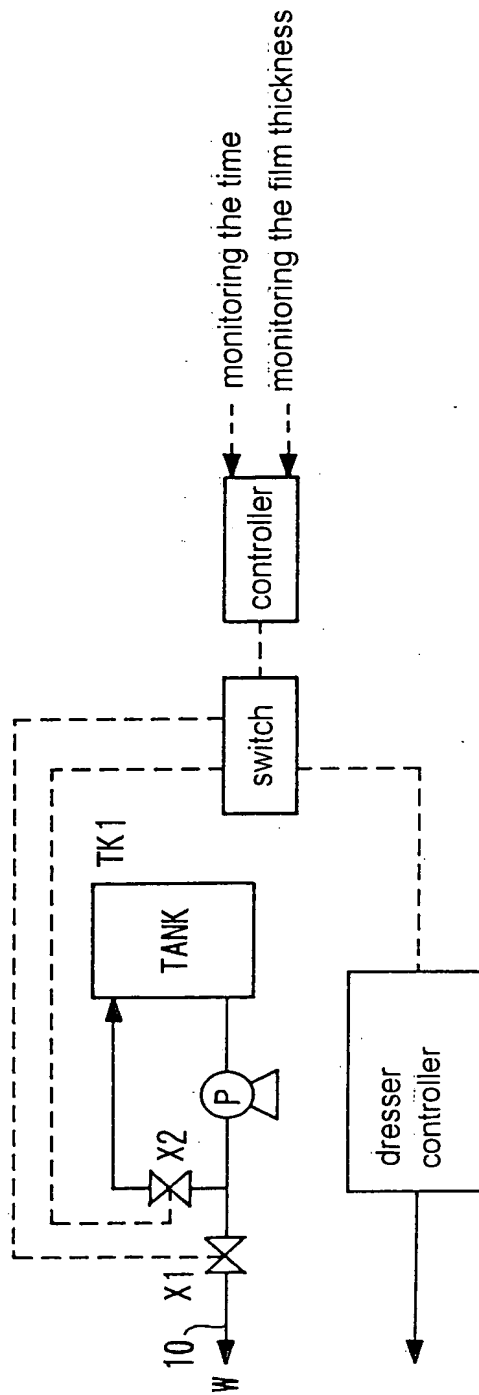
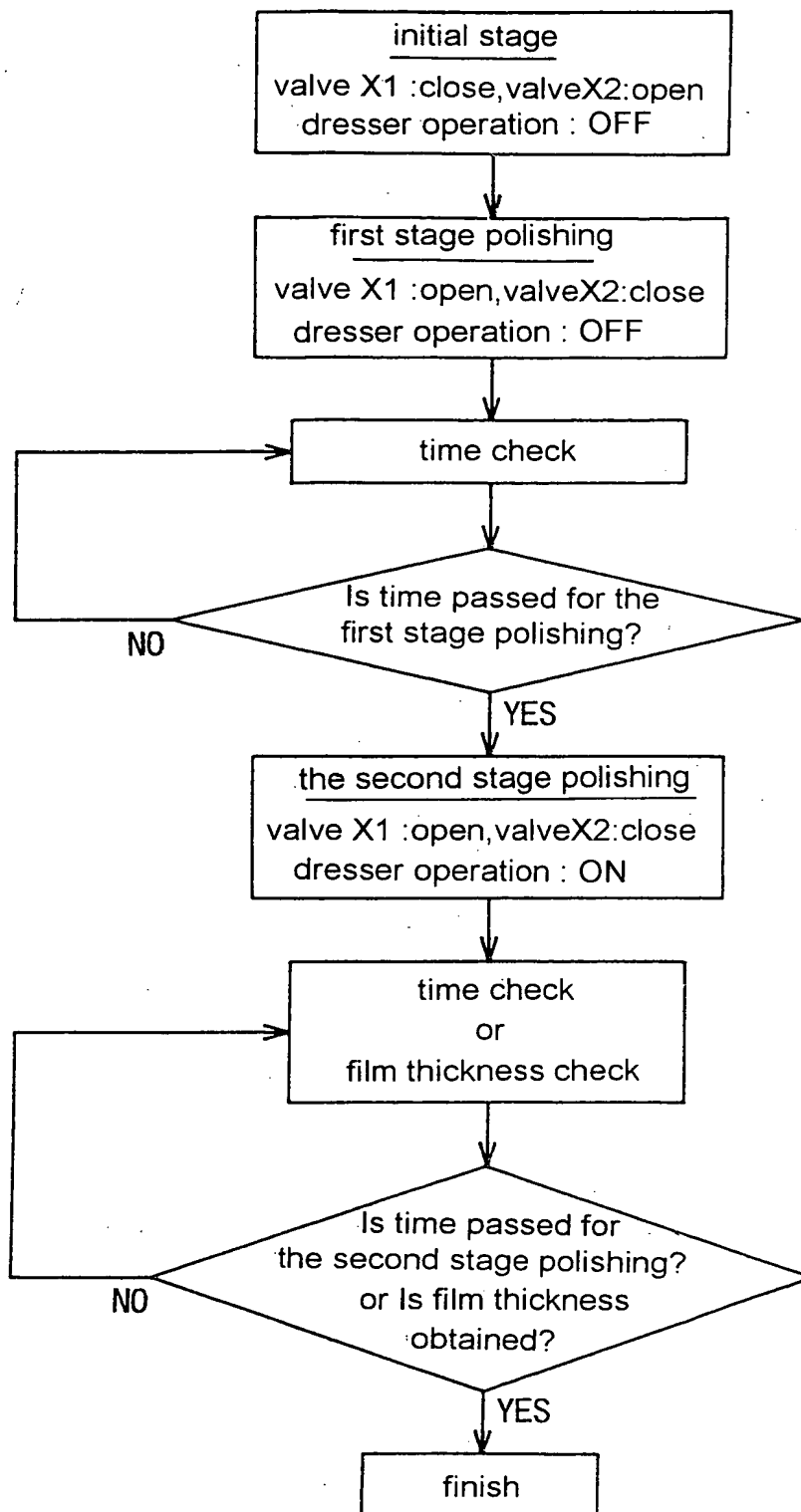


FIG. 24



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FIG. 25



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FIG. 26A

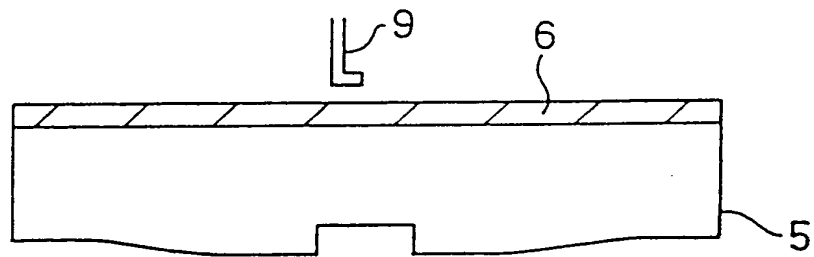
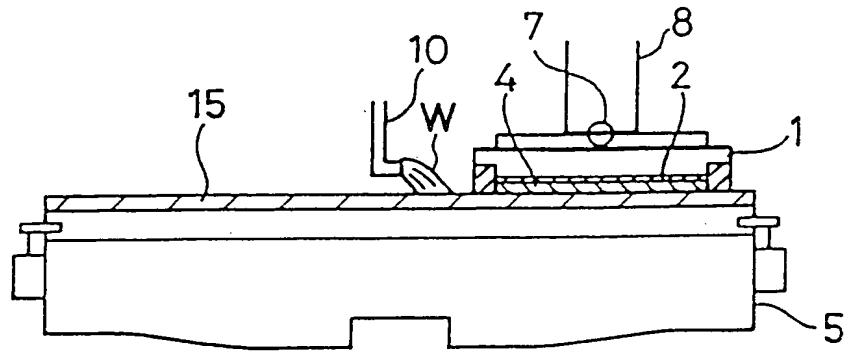


FIG. 26B

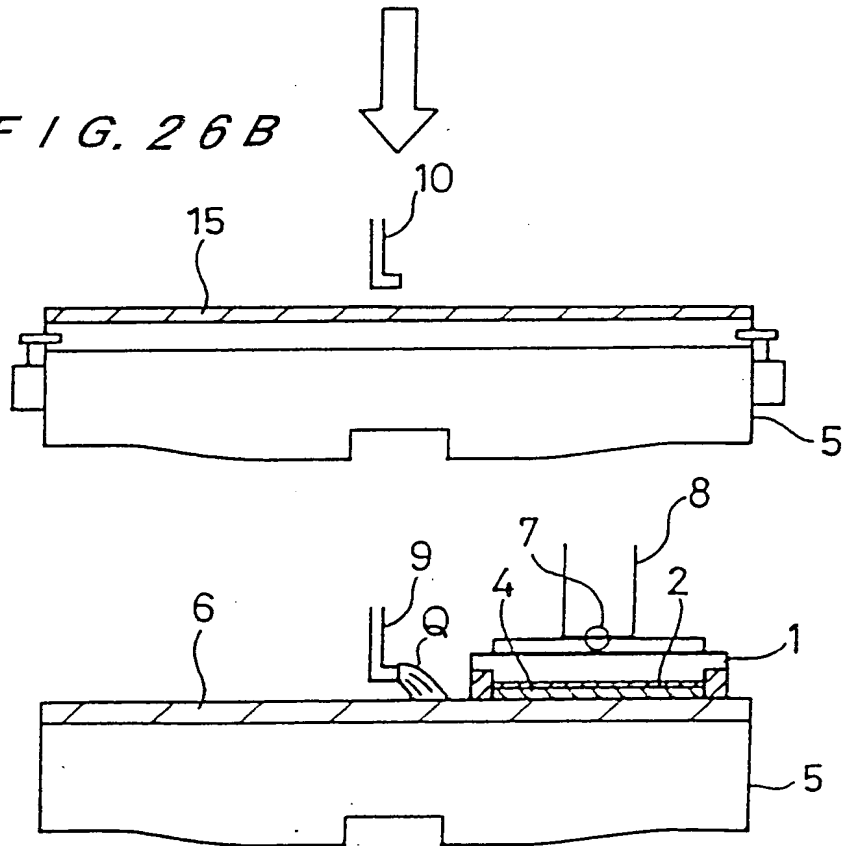


FIG. 27

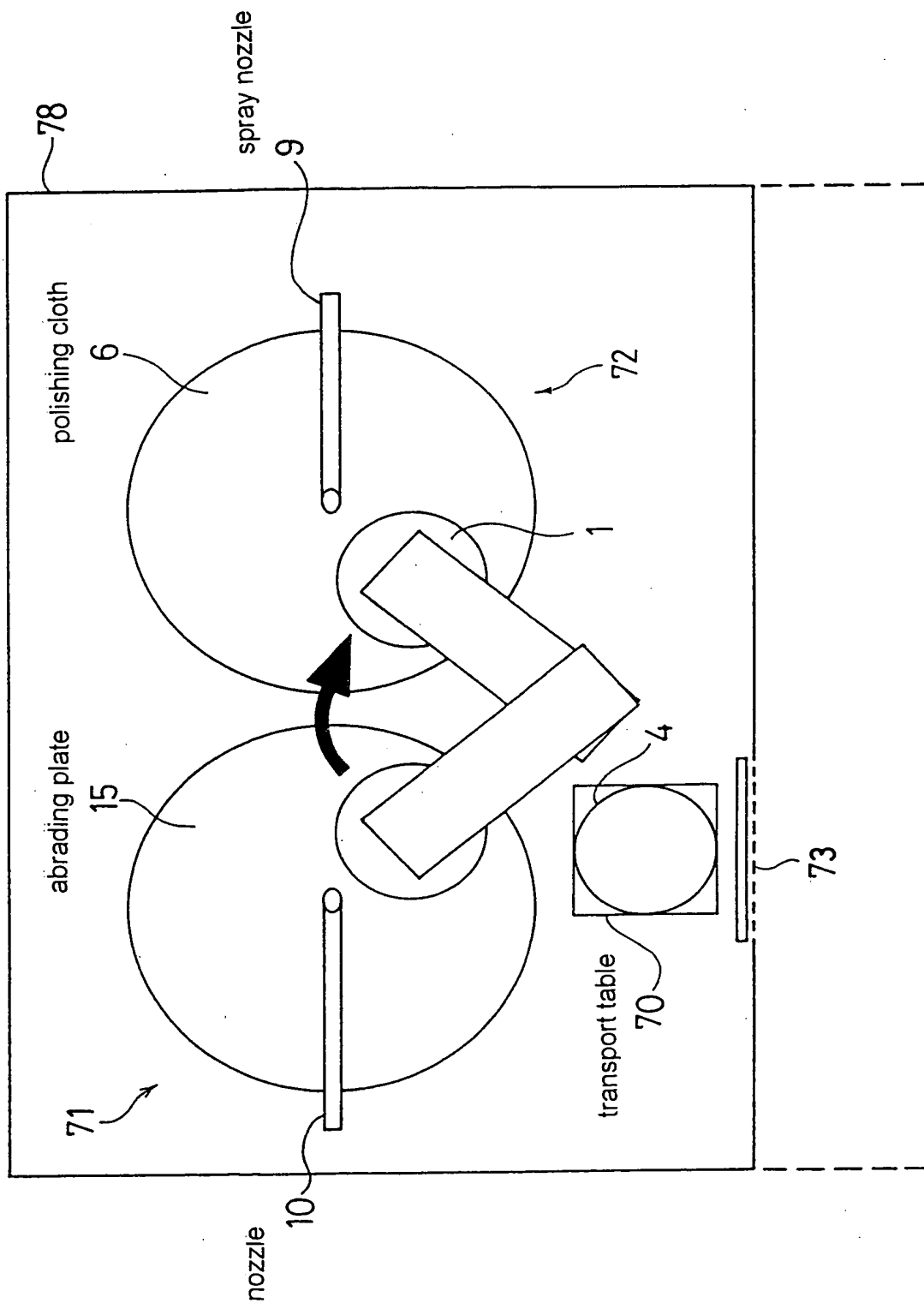
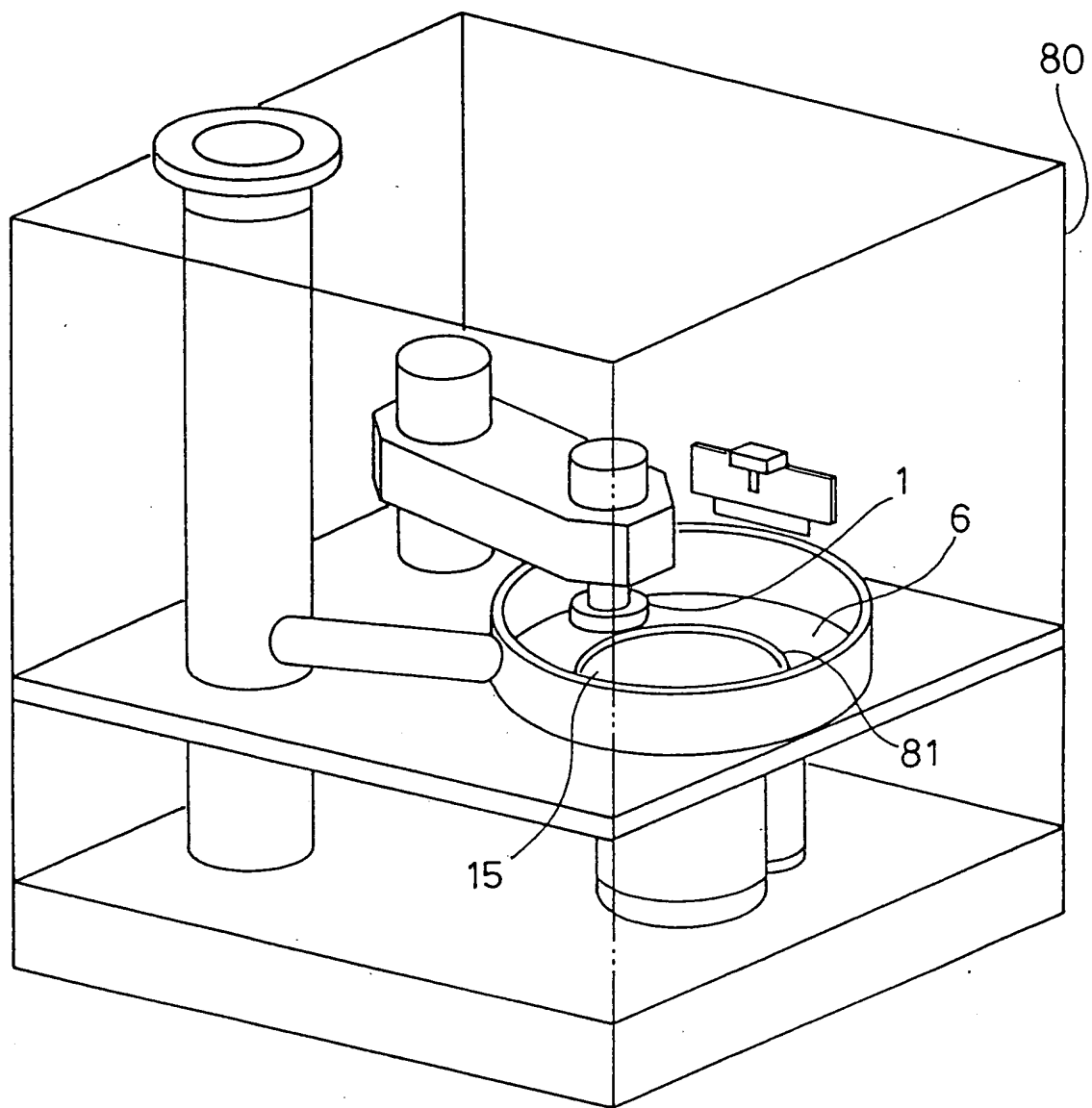
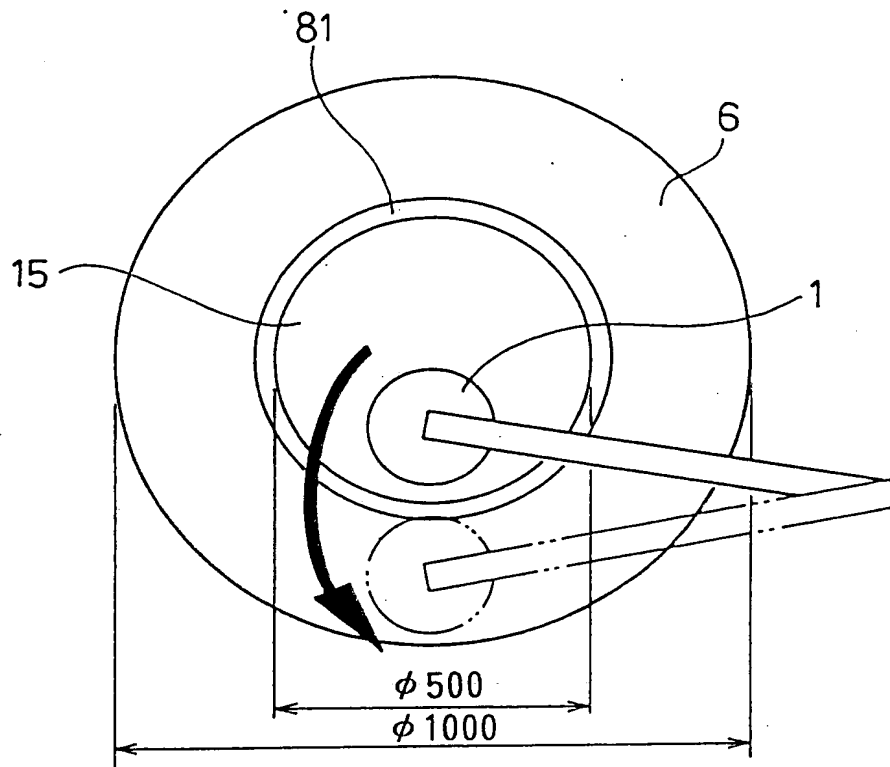


FIG. 28



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FIG. 29



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FIG. 30

